NITFS
Compliance Registration

Product: **Global Hawk Enhanced Integrated Sensor Suite, Software version 2.1.5**

Date: 14 June 2011
Expiration: 13 June 2013

Sponsor: **Global Vigilance Combined Test Force**

Registration #: 1056

Developer: **Northrop Grumman Corporation**

☒ System ☐ Product ☐ Component
N-0105, §4.1.1   N-0105, §4.1.2   N-0105, §4.1.3

☑ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

Complexity Level

NITF 2.1 CLEVEL		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- Windows XP, service pack 2

Legend
** NITF 2.0 only feature
* NITF 2.1 only feature
Interpret / Generate ●● Fully implemented
●◉ Partially implemented
○○ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

Format
NITF
○◉ 2.1
○○ 2.0
○ 1.1
NSIF
○○ 1.0

Pixel Value Types
○○ Boolean
○◉ Integer
○○ Signed Integer *
○○ IEEE Real *
○○ IEEE Complex *

Annotation Segment Types
○○ Bit Mapped **
○○ CGM, 2301
○○ CGM, 2301A
○ Labels **

Text Segments
○○ STA
○○ UT1
○○ U8S
○○ MTF

NITFS Features Implemented:

Image Segment Types
○◉ MONO
○○ RGB
○○ RGB/LUT
○○ YCbCr
○○ MULTI
○◉ NODISPLY
○○ POLAR
○○ No Mask
○○ Mask

Image Compression
○◉ No compression
○◉ JPEG Lossy, 8-bit
○◉ JPEG Lossy, 12-bit
○○ JPEG Downsample
○○ JPEG Lossless
○○ JPEG 2000
  ○○ Code Stream w/o JP2
  ○○ Code Stream w/JP2
  ○○ 1 Band
  ○○ 3 Band RGB
  ○○ 1 Band RGB/LUT
  ○○ Multiband
○○ Bi-Level
○○ Vector Quantization

Data Extension Segments
○○ TRE_OVERFLOW
○○ STREAMING_FILE_HEADER
○○ Controlled Extensions
○○ Registered Extensions
  ○○ CSATTA
  ○○ CSSHPA

Tagged Record Extensions
○● ACFTB   ○● EXPLTB
○● AIMIDB   ○● MENSRB
○● AIPBCA   ○● MTIRPB
○● BLOCKA   ○● MTXFIL (GMTI only)
○● CMETAA   ○● PATCHB
○● ENGRDA   ○● SENSRA

Bit-Per-Pixel
○○ 1
○● 8
○◉ 9-16
○● 16
○○ 17-32
○○ 32
○○ 33-64
○○ 64

BRENT L. SNYDER, Lt Col, USAF, JTF Portfolio Chief
Joint Interoperability Test Command Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program